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**CONSTRUCTION MANAGER'S  
WEEKLY STATUS REPORT  
FOR THE WEEK  
10/09/08 – 10/15/08**

**RECONSTRUCTION OF BENNING ROAD, NE  
FROM 14<sup>TH</sup> AND H STREET TO OKLAHOMA AVENUE  
CONTRACT NO. POKA 2005 - C - 0031 – CB**

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Excavated center lane of the roadway east of Oklahoma Ave.

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Benning Rd Reconstruction  
Project Field Office  
1322A H Street NE  
Washington, DC 20002  
(o) 202.388.3081 (f) 202.388.3083

## EXECUTIVE SUMMARY

### Project Description

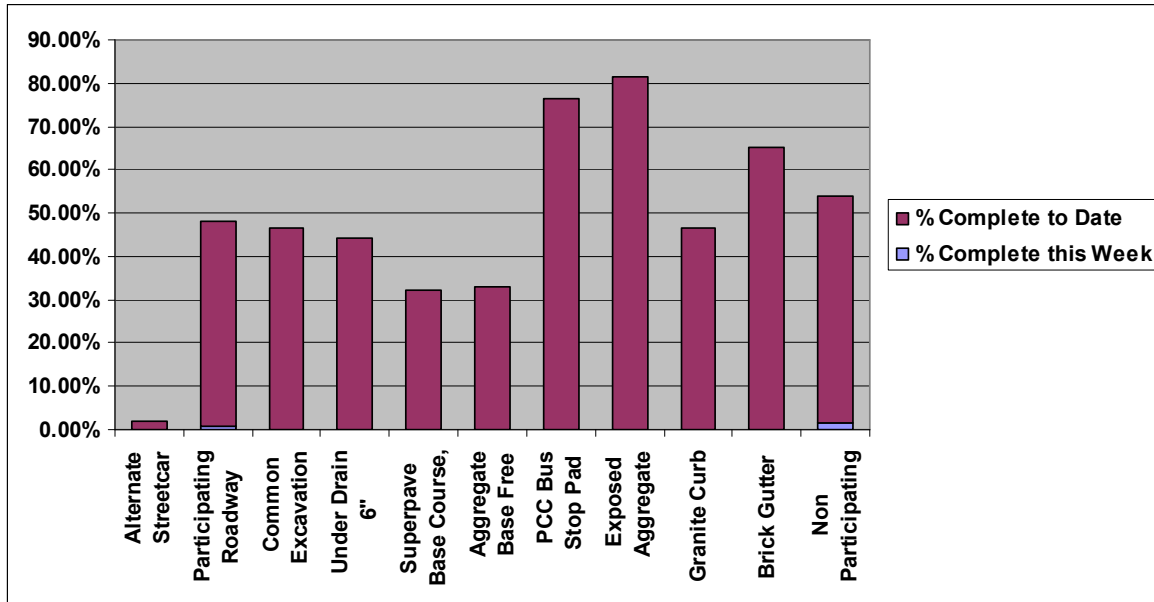
The project involves the phased reconstruction of the eastbound and westbound Benning Road, NE from 14<sup>th</sup> and H Street to Oklahoma Ave. The project also includes portions of Maryland Avenue and Bladensburg Road. Work on the project includes the following:

- Pavement Restoration with the placement of brick gutter and granite curbs adjacent to asphalt over aggregate sub base.
- Sidewalk restoration featuring exposed aggregate sidewalks surface treatment
- Safety Improvements—crosswalks, wheel chair ramps, and driveway entrances
- Streetlight and Traffic Signal Upgrades—Pedestrian level lighting, improved streetlights, upgraded traffic signal and timing
- Drainage Upgrades—New inlet basins, sewer line upgrades
- DCWASA-upgrades to water main lines
- Landscaping upgrades featuring the construction of the Starburst Plaza which will include a historical mural and multiple outdoor attractions for the neighborhood.
- Streetcar tracks: DDOT plans to install tracks from the intersection of Oklahoma Avenue and Benning Road to 3<sup>rd</sup> Street along H Street. Tracks will be installed on the eastbound and westbound lanes.
- Coordination with multiple utility companies performing construction activities within the project limits.

The total value of the contract at award to Capitol Paving of DC, Inc. is \$35,448,123.90. The notice to proceed date was December 12, 2007 with project duration of 730 calendar days for scheduled completion date of December 11, 2009.

## Progress

Percent complete for Alternate Streetcar Work, Participating Roadway and WASA work are shown in the graph below. Participating Roadway is further broken down in the following key activities: Common Excavation, Under Drain 6", 19 mm Asphalt Placement, 25 mm Free Drain Placement. Bus Stop Pads, Exposed Aggregate Sidewalk, Granite Curb and Gutter.



## WORK PERFORMED

For the week ending October 15, 2008, the following specific construction progress has been made in the areas listed:

### 1. Thursday 10/09:

#### Benning Road:

Excavation work and the placement concrete work for the construction of the base for Manhole #9 on the south side west of 18<sup>th</sup> Street. Installation of the 18" PCC pipe from Manhole #8 to Manhole #9 on the south side from 17<sup>th</sup> Street to 18<sup>th</sup> Street. Installation of the 12" Ductile Iron Pipe between 18<sup>th</sup> Street to 19<sup>th</sup> Street. Installation of the 12" Ductile Iron Pipe between 18<sup>th</sup> Street to 19<sup>th</sup> Street. Commencement of the construction of the brickwork for Manhole #10 at 18<sup>th</sup> Street. Demolition and the excavation work of the center lane from 23<sup>rd</sup> Street to 26<sup>th</sup> Street. Placement of one T-Base at the south east corner of 20<sup>th</sup> Street. Installation of 1-3x3x3 Manhole (MH #76) at the south west corner of 19<sup>th</sup> Street. Installation of 1-2" conduit and its encasement for L-33, L35 and L37 on the south side from 19<sup>th</sup> Street to 20<sup>th</sup> Street. Installation of the 6" ductile Iron Pipe at the 1500 Block west of the fire hydrant.

#### Bladensburg Rd/ Morse Street in the S/B Lane:

Contractor was instructed by WASA to excavate and expose the newly installed 45 Degree Bend in Watermain D to prove that the new PCCP installed is not leaking.

#### Maryland Ave/ H Street/ 15<sup>th</sup> St:

Performance of Repairs to the erosion and sediment control devices.

#### PEPCO work:

Continuation of the excavation of the trenching, the shoring of the trench and general cleanup. Shoring work at Manhole #11.

### 2. Friday 10/10:

#### Benning Road:

Demolition and Excavation of the center lane from 25<sup>th</sup> Street towards station 142+95. Demolition and Excavation of the roadway at the intersection of 21<sup>st</sup> Street. Continuation of the brickwork construction of Manhole #9 and #10. the Installation of the 18" PCCP from Manhole #8 to Manhole #9 between 17<sup>th</sup> Street and 18<sup>th</sup> Street. Installation of the 12" Ductile Iron Pipe for the watermain installation between 18<sup>th</sup> street and 19<sup>th</sup> street. Excavation for the installation of the 6" ductile iron pipe leading to the proposed hydrant at the 1500 Block. Installation of the 6" ductile Iron pipe leading to the proposed fire hydrant. Trench excavation work between manhole #17 and manhole #18 on the north side of 19<sup>th</sup> Street. Installation of 9-28' pendant poles.



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Bladensburg Rd/ Morse St. @ Intersection:

Flush out all new installed pipe of the watermain "A" and watermain "H".

Bladensburg Rd/ Morse St. @ S/B Curblane:

Backfill work and the placement of temporary asphalt.

**3. Saturday 10/11:**

No work completed.

**4. Sunday 10/12:**

No work completed.

**5. Monday 10/13:**

Benning Road:

Installation of concrete encased PVC conduit between manhole #17 and manhole #18 at 19<sup>th</sup> Street and at the south west corner of 19<sup>th</sup> Street. Installation of concrete encased electrical conduit at 19<sup>th</sup> Street. Installation of 9 Pendant Poles and arms at Oklahoma Ave. Installation of the 6" ductile iron pipe and 4-45 degree bends on the south side at the 1500 block. Installation of the Geo Fabric at the center lanes from 21<sup>st</sup> Street to 25<sup>th</sup> street and from 26<sup>th</sup> Street to Oklahoma Ave. Excavation of the center lane between 26<sup>th</sup> Street and Oklahoma Ave. Excavation work for the construction of the catch basin #14. Brickwork construction for the installation of Manhole #19 on the south side. Installation of the 18" PCCP between 17<sup>th</sup> Street and 18<sup>th</sup> Street. Installation of the 12" Ductile Iron Pipe at 18<sup>th</sup> Street at the intersection.

Bladensburg Rd/ Morse St. @ Intersection:

Flush out all new installed pipe of the watermain "D" and watermain "I". Performance of the MOT installation on the east side of the intersection.

PEPCO work:

Work on the excavation of the trenching, hand digging around utilities and the installation of the shoring of the trench. Encasement of the 10 way 5" fiberglass feederline. Shoring work at Manhole #11.



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## **6. Tuesday 10/14:**

### Benning Road:

Excavation for and the installation of the 3'x3'x3' manhole #77 at 19<sup>th</sup> street. Excavation and installation of streetlighting; L#52, L#56, and L#58, between 21<sup>st</sup> street and 23<sup>rd</sup> Street. Excavation for and installation of the traffic fire hydrant on the south side at the 1500 Block. Formwork, rebar installation, and pour for catch basin #14 on the south side between 18<sup>th</sup> Street and 19<sup>th</sup> Street. Installation of the 18" PCCP from manhole #13 to catch basin #14 on the south side between 18<sup>th</sup> Street and 19<sup>th</sup> Street. Installation of 12" Ductile Iron Pipe on the south side between at the 18<sup>th</sup> Street Intersection. Installation of the 18" PCCP on the southside between 17<sup>th</sup> Street and 18<sup>th</sup> Street. Continued the brickwork for the construction of manhole #8 on the south side between 17<sup>th</sup> Street and 18<sup>th</sup> Street.

### Bladensburg Rd/ Morse Street @ Intersection:

Watermain "D" & "I" water samples taken by WASA to test for chorine and bacteria.

### Maryland Ave. South Side:

Placement of top soil back of sidewalk to homeowner fenceline.

### H Street North Side:

Tie-in of watermain "A" and "B". Installation of the 12" ductile Iron Pipe and 2 – 45 degree bends.

### PEPCO work:

Installation of additional 130' of 10 way 5" Fiberglass ductbank for the PEPCO Feederline. Excavation of the trench line for the installation of the feederline. Work also completed on the encasement of the installed ductbank. Shoring work at Manhole #11. Continuation of the excavation of the trenching and the shoring of the trench.

## **7. Wednesday 10/15:**

### Benning Road:

Installation of the 18" PCCP on the southside between 17<sup>th</sup> Street and 18<sup>th</sup> Street. Excavation, installation of formwork and reinforcement and placement of concrete for the single basin installation of Catch Basin 11 between 18<sup>th</sup> Street and 19<sup>th</sup> Street. Installation of the PCCP on the south side from catch basin #11 to manhole #14. Installation of the 12" ductile iron pipe on the south side at 17<sup>th</sup> Street. Continued the brickwork for the construction of manhole #8 on the south side between 17<sup>th</sup> Street and 18<sup>th</sup> Street. Installation of the Graded Aggregate Base at the center lanes from 21<sup>st</sup> Street to 25<sup>th</sup> street and from 26<sup>th</sup> Street to Oklahoma Ave.



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PEPCO work:

Installation of additional 50' of 10 way 5" Fiberglass ductbank for the PEPCO Feederline. Excavation of the trench line for the installation of the feederline. Work also completed on the encasement of the installed ductbank. Continuation of the excavation of the trenching and the shoring of the trench.

## **Utilities Reconstruction Update 10-15-08**

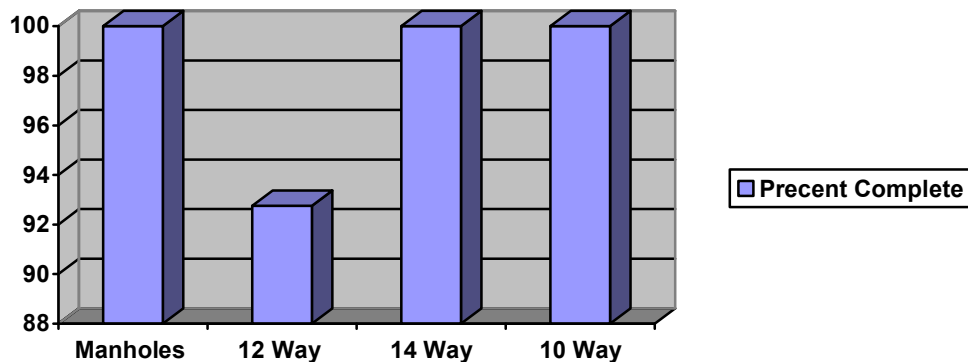
**PEPCO:**

Distribution Line Duct Bank Construction:

Manholes Completed:	20	Total Manholes:	20	%Complete:	100%
12 Way Length Complete:	7201'	Total Length:	7764'	%Complete:	92.75%
14 Way Length Complete:	1619'	Total Length:	1619'	%Complete:	100%
10 Way Length Complete:	34'	Total Length:	34'	%Complete:	100%

Note: Over 45 days behind schedule. Schedule overrun is impacting critical intersection completion at 19<sup>th</sup> Street.

- 170 feet additional 12 Way has been reported to be complete this week.
- Work on the Starburst Area distribution line construction, between 14<sup>th</sup> Street and 16<sup>th</sup> Street, has yet to be started. Percent complete for this work is 0%. The original project duration was from February 2009 to November 2009. The project timeline has been condensed due to that the delayed start of work will continue to impact the production of the Capitol Paving work for the project. The new project duration is proposed to be from mid November 2008 to May 2009.



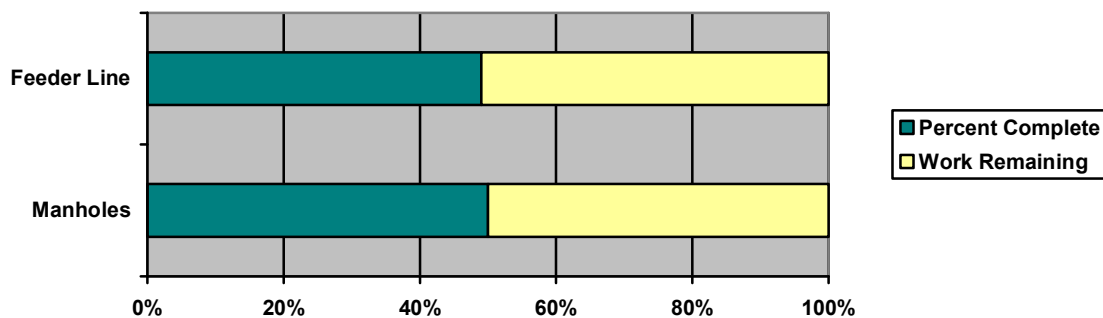
## PEPCO Feeder Line Replacement:

4000' total feeder  
 6 Manholes total

1960 feet complete  
 3 completed

49.0% complete  
 50.0% complete

Work has started on 9/11/08. Initial saw cutting of the roadway was completed on 9/10/08. Expected duration is 180 days.



- 360 feet of feeder line was installed within this weekly report period
- The construction work for one manhole was completed within this report period.

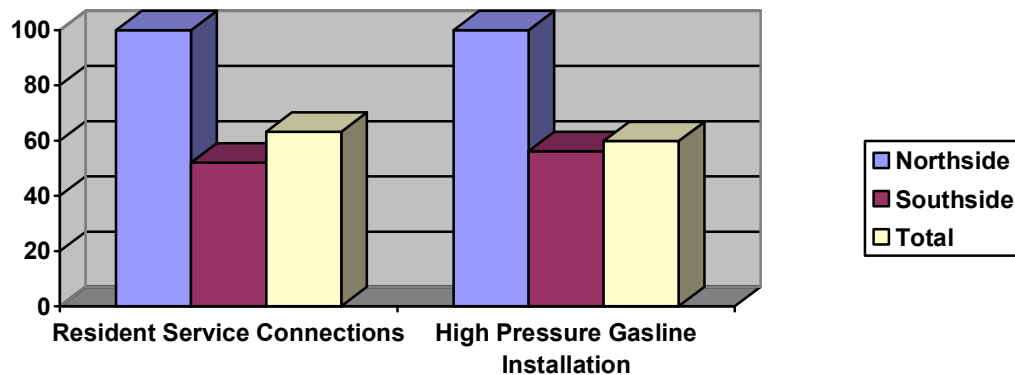
The delay in the start of this work has impacted the production of Capitol Paving work. Production from Capital Paving has been reduced by 66% on a weekly basis.



### Washington Gas:

Washington Gas continued the work on the south side gas main installation and connections on 10-14-09. Only initial excavation work was completed during this report period. The schedule for the Resident Service Connections and High Pressure gas line installation is on track.

**Graph: Percent of Work Completed**



### Northside:

Completed Connections:	43	Total Connections	43	%Complete:	100%
Gas Main install complete:	1290'	Total Length	1290'	%Complete:	100%

Work completed this week: 11 Connections completed  
400' of Gas Main installed

### Southside:

Completed Connections:	23	Total Connections	44	%Complete:	52%
Gas Main install complete:	1870'	Total Length	3325'	%Complete:	56.2%

### Project Totals:

Completed Connections:	66	Total Connections	87	%Complete:	75.9%
Gas Main install complete:	3160'	Total Length	4615'	%Complete:	68.5%



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### **Clear Channel:**

Four bus stops requiring electrical connections have been completed.

An additional bus stop shelter was installed at 19<sup>th</sup> Street. Electrical connections for this shelter are pending. Bus stop pavement for the bus stop at the north east corner of 26<sup>th</sup> Street is pending repair due a difference in elevation between the bus stop and the newly installed exposed aggregate sidewalk.

### **Attachment A:**

#### **RECONSTRUCTION OF BENNING ROAD N.E. TWO WEEK LOOK AHEAD SCHEDULE STARTING 10-13-08 TO 10-27-08**

##### **Bladensburg Rd. & Morse St**

- **10-13-08 Continue Watermain D & I (10 days)**

##### **16<sup>th</sup> & Benning S/S**

- **10-13-08 Continue with Watermain A (10 days)**

##### **19<sup>th</sup> & Benning Rd. S/S**

- **10-13-08 Continue with Watermain A (10days)**
- **10-13-08 Continue installation of underdrain system (3 days)**

##### **1700 & 1800 Blocks Benning Rd. S/S**

- **10-13-08 Continue with sewer work**

##### **21<sup>st</sup> & Benning Rd. SWC**

- **10-13-08 Continue roadway excavation (10 days)**

##### **Nationwide Electrical Work**

- **10-13-08 Continue laying conduit for streetlights between 20<sup>th</sup> & 17<sup>th</sup> St. (10 days)**
- **10-14-08 Begin electrical work between 21<sup>st</sup> St and Metro overpass**
- **10-14-08 Set streetlight pole between 16<sup>th</sup> & 18<sup>th</sup> St. N/S**

**Attachment B: Progress Photos of Work Performed this Week**



Commencement of the construction of the brickwork for Manhole #10 at 18<sup>th</sup> Street.



Demolition and excavation of the roadway from 25<sup>th</sup> Street to east of Oklahoma Ave.





Installation of the conduit for streetlights at the 19<sup>th</sup> Street intersection.



Construction of the brickwork for Manhole #8 between 17<sup>th</sup> Street and 18<sup>th</sup> Street.





Installation of the Geo Fabric at the center lanes from 21<sup>st</sup> Street to 25<sup>th</sup> street and from 26<sup>th</sup> Street to Oklahoma Ave.



Placement of concrete for the construction of the Catch Basin #11 walls on the south side and west of 19<sup>th</sup> Street.